

# Aloo-Le-Lo

**Setter :** Ashish Khatkar and Ambar Pal

**Tester :** Ashish Khatkar

**Time Limit :** 1 sec

Pakodelaal is a good programmer. He takes pride in solving simple questions in a small amount of time. One day he goes to the grocery shop. Pakodelaal, being arrogant has got a bad reputation among people. So, the grocer puts a condition on what vegetables Pakodelaal can buy. As if this question is not already full of useless random things, here's some more:

The grocer decides to line up the vegetables in a straight line and then asks Pakodelaal to select a contiguous segment of vegetables such that the length of this segment is atleast K. Also, some of the vegetables have rotten, so their nutrition value has fallen below zero. Thus given this line of vegetables and their nutrition value, you have to tell Pakodelaal the combined nutrition value of the segment which has the greatest nutrition value provided the length of this segment is atleast K. Also, since this is quite normal, the grocer can carry upto  $10^6$  vegetables at a time.

## **Input:**

The first line contains two integers N, K denoting the number of vegetables and minimum length respectively. The next N lines each contain a single integer each denoting the nutrition value of the ith vegetable.

## **Output:**

Output a single integer denoting the required answer

## **Sample Input:**

```
8 3
-20
90
-30
-20
80
-70
-60
125
```

**Sample Output:**

120

**Sample Explanation:**

$$90 + (-30) + (-20) + 80 = 120$$

**Constraints:**

$$1 \leq N \leq 1000000$$

$$1 \leq K \leq N$$